

CLAIMS AS AMENDED

What is claimed is:

1. (amended) An electrode for intravascular stimulation, cardioversion and/or defibrillation comprising a stimulation probe which can be fixed in a blood vessel of the body and by way of which electrical or magnetic pulses and defibrillation/cardioversion shocks can be delivered, the probe being provided with a feed line, wherein a metallic, electrically conductive, tubular wire unit adjoins the feed line in the axial direction, forms an expansion body, can be deployed in the corresponding vessel and bears against the wall of the vessel from the interior thereof under expansion.
2. (amended) The electrode as set forth in claim 1 wherein an inflatable balloon body is provided as a drive means for expansion in the interior of the wire unit, which is plastically deformable.
3. (amended) The electrode as set forth in claim 1 wherein the wire unit resiliently expands itself from a pre-stressed compressed condition inside the vessel.
4. (amended) The electrode of claim 1 wherein the entire surface of the wire unit acts as a unipolar stimulation pole.
5. (amended) The electrode of claim 1 wherein the wire unit is a cylindrical coil.
- 6 (amended) The electrode as set forth in claim 5 wherein the cylindrical coil comprises a plurality of coil portions, the portions being electrically insulated from each other.
7. (amended) The electrode of claim 5 wherein an induction unit supplies the electrode with voltage.
8. (amended) The electrode of claim 1 wherein a radial diameter of the wire unit changes in a longitudinal direction thereof.

9. (amended) The electrode as set forth in claim 8 characterised in that the wire unit is of a conical configuration.
10. (amended) The electrode of claim 1 wherein a surface of the wire unit is coated with a medicament.
11. (amended) The electrode as set forth in claim 7 wherein the induction unit inductively heats the electrode.
12. (amended) The electrode of claim 1 wherein a further portion of the feed line extends in the axial direction parallel at least to a portion of the wire unit, such portion in electrically insulated relationship therewith.
13. (amended) The electrode of claim 1 wherein a control unit is electrically communicated to the wire unit and provides at least one control signal thereto.
14. (new) The electrode of claim 2 wherein the balloon body is pneumatically inflatable.
15. (new) The electrode of claim 2 wherein the balloon body is hydraulically inflatable.
16. (new) The electrode of claim 6 wherein an induction unit supplies the electrode with voltage.
17. (new) The electrode of claim 10 wherein the medicament is a substance for preventing vessel damage.
18. (new) The electrode of claim 1 wherein the entire surface of the wire unit is divided into at least two electrically mutually insulated portions to provide a multipolar stimulation pole.